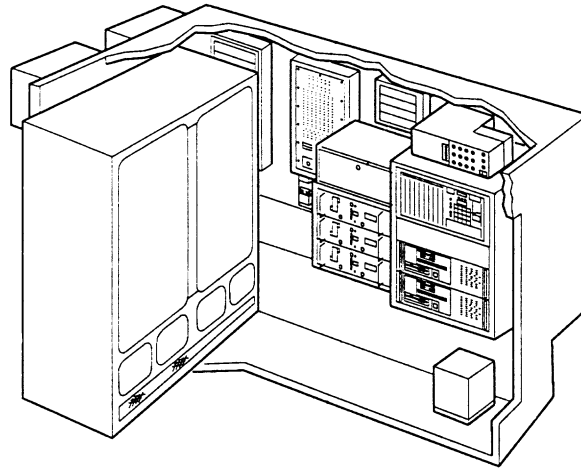


## AN/TTC-46



### SYSTEM IDENTIFIERS

NOMENCLATURE:	Large Extension Node Switch (LENS)
SSN:	W1640000GCH
LIN:	S24750
NSN:	5805-01-245-9053
AMIM NO:	N/A
EIC:	HD9
FUEL TYPE:	-----

### SYSTEM DESCRIPTION

The AN/TTC-46 Large Extension Node System (LENS) is a component of the Mobile Subscriber Equipment (MSE) communications network. The system consists of two shelters. The group of shelters contain a switching group (ON-305/TTC-46) and an operations group (OL-412/TTC-46) which make up the MSE packet network. The network supports two packet switches, four local area network (LAN) ports, seven diphase X.25 ports, three digital encryption transmission devices and a 64,000 baud digital transmission modem to other node center switches. The system provides digital and analog terminals which interface with commercial telephone systems. Mounting brackets are available for the AN/GRC-224 Down-The-Hill (DTH) radios. The LENS is powered by a PU-753 10 kw diesel generator.

The list below identifies components associated with this weapon/materiel system.

# **AN/TTC-46**

<b>LIN</b>	<b>NSN</b>	<b>NOMENCLATURE</b>
A23828	4120-00-411-5442	AIR CONDITIONER, FL/WALL A/C
B38070	5820-00-893-1323	BASE SHOCK MOUNT ELECTRICAL, MT-102
G26890	6110-00-985-7574	DISTRIBUTION BOX, J-1077/U
G40744	6115-00-033-1389	GEN ST DSL ENG TM, 10KW 60HZ MTD ON
K94880	5830-00-752-5357	INTERCOMMUNICATION STAT
M04268	5895-01-247-0963	MANAGEMENT FACILITY, AN/TSQ-154
M11186	5985-01-248-4760	MAST ANTENNA-15 METER, AB-1339/G
M11436	5985-01-249-2581	MAST ANTENNA-30 METER, AB-1340/G
M43691	5820-01-145-2458	MULTIPLEXER-COMBINER
P05439	5805-01-245-9059	OPERATIONS GROUP, OL-412/TTC-46
S01427	5411-00-489-6076	SHELTER NONEXPANDABLE
T45408	5805-01-246-6826	TELEPHONE DIGITAL NON-SECURE VOICE

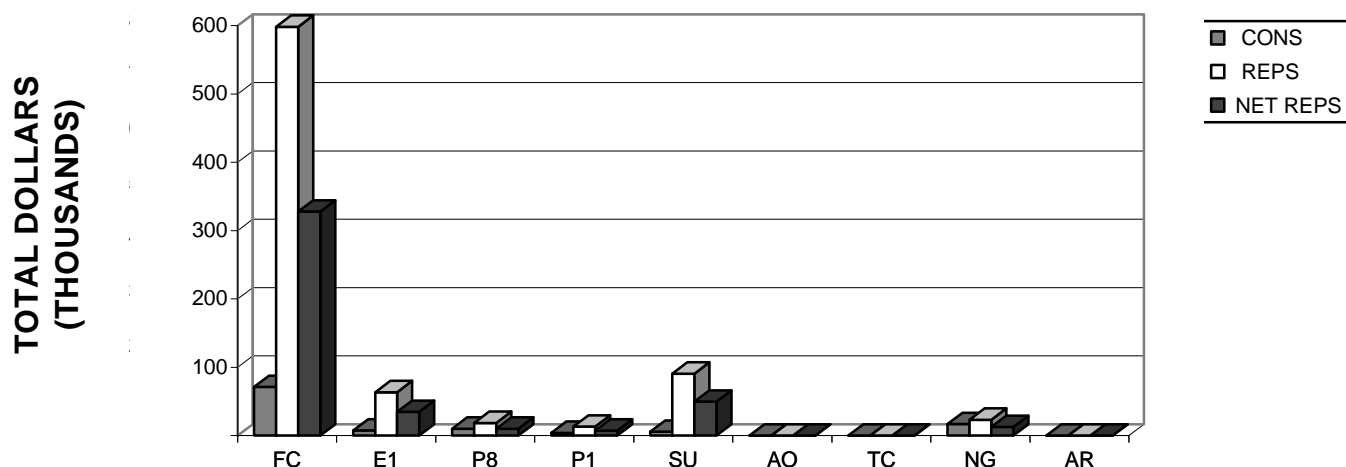
This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

<p align="center"><b>AN/TTC-46</b></p> <p align="center"><b>FY 94 TOTAL ARMY COST SUMMARY</b></p> <p align="center"><b>(FY 94 Constant Dollars)</b></p>
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<div>DENSITY</div> <div>NUMBER OF SYSTEMS14</div>	<div>DEPOT END ITEM MAINTENANCE (5.061)</div> <div>TOTAL\$0</div> <div>QUANTITY COMPLETED0</div> <div>AVG COST/END ITEM\$0.00</div>																
<div>CLASS III-POL (5.05)</div> <div>NOT APPLICABLE</div>	<div>DEPOT SECONDARY ITEM MAINTENANCE</div> <div>TOTAL\$175,925</div> <div>QUANTITY COMPLETED158</div> <div>AVG COST/SECONDARY ITEM\$1,113.45</div>																
<div>CLASS V-AMMUNITION (2.11)</div> <div>NOT APPLICABLE</div>	<div>INTERMEDIATE MAINTENANCE</div> <table><tr><td></td><td><u>DS/GS</u></td><td><u>CIVILIAN</u></td></tr><tr><td>MIL/CIV LABOR COST</td><td>\$8,720</td><td>\$21,880</td></tr><tr><td>AVG COST/SYSTEM</td><td>\$622.86</td><td>\$1,562.86</td></tr><tr><td>MAINTENANCE MANHOURS</td><td>525</td><td>473</td></tr><tr><td>MMHs/SYSTEM</td><td>37.50</td><td>33.79</td></tr></table>		<u>DS/GS</u>	<u>CIVILIAN</u>	MIL/CIV LABOR COST	\$8,720	\$21,880	AVG COST/SYSTEM	\$622.86	\$1,562.86	MAINTENANCE MANHOURS	525	473	MMHs/SYSTEM	37.50	33.79	
	<u>DS/GS</u>	<u>CIVILIAN</u>															
MIL/CIV LABOR COST	\$8,720	\$21,880															
AVG COST/SYSTEM	\$622.86	\$1,562.86															
MAINTENANCE MANHOURS	525	473															
MMHs/SYSTEM	37.50	33.79															
<div>CLASS IX MATERIEL-PARTS (5.04/5.03)</div> <table><tr><td></td><td><u>FY 94</u></td><td><u>AVG COST</u></td></tr><tr><td></td><td><u>DOLLARS</u></td><td><u>PER SYSTEM</u></td></tr><tr><td>CONSUMABLES</td><td>\$115,546</td><td>\$8,253.29</td></tr><tr><td>NET REPARABLES</td><td>\$442,501</td><td>\$31,607.21</td></tr><tr><td>NET TOTAL COSTS</td><td>\$558,047</td><td>\$39,860.50</td></tr></table>				<u>FY 94</u>	<u>AVG COST</u>		<u>DOLLARS</u>	<u>PER SYSTEM</u>	CONSUMABLES	\$115,546	\$8,253.29	NET REPARABLES	\$442,501	\$31,607.21	NET TOTAL COSTS	\$558,047	\$39,860.50
	<u>FY 94</u>	<u>AVG COST</u>															
	<u>DOLLARS</u>	<u>PER SYSTEM</u>															
CONSUMABLES	\$115,546	\$8,253.29															
NET REPARABLES	\$442,501	\$31,607.21															
NET TOTAL COSTS	\$558,047	\$39,860.50															

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparable, (REPS), and net reparable (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

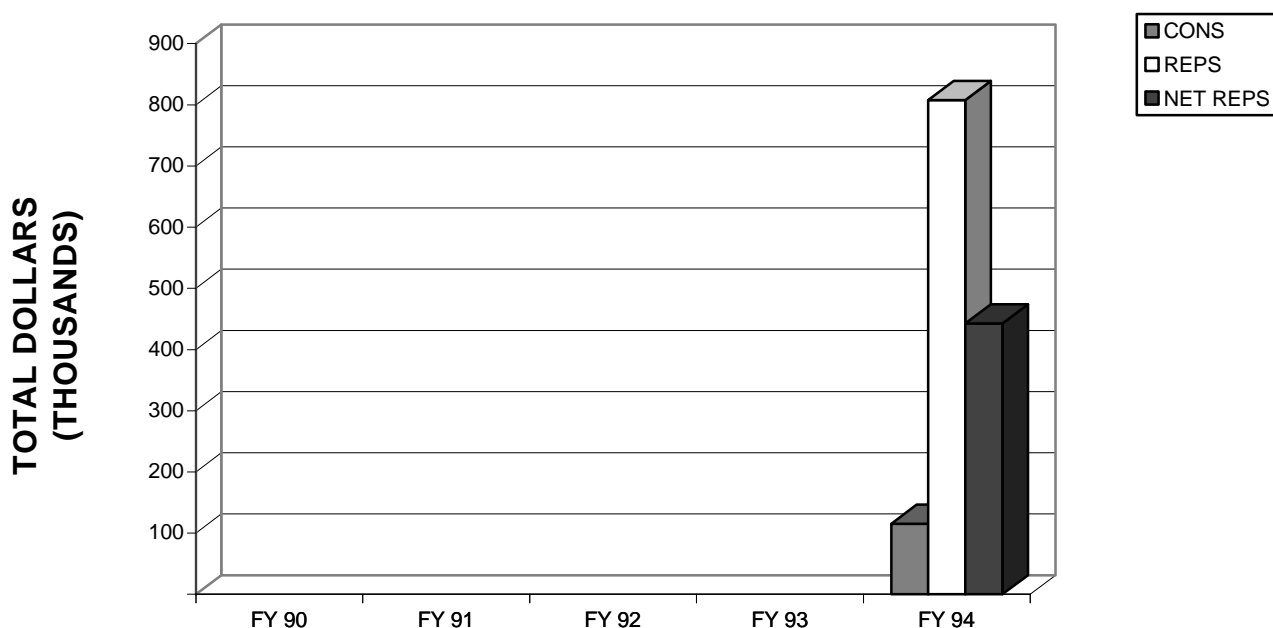
### AN/TTC-46



AN/TTC-46							
FY 94 MACOM CLASS IX COSTS							
MACOM		CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
CODE	NAME						
FC	FORSCOM	71,320	598,141	327,776	399,096	5	79,819
E1	USAREUR	7,547	63,539	34,814	42,361	2	21,181
P8	EUSA	10,043	18,636	10,213	20,256	1	20,256
P1	USARPAC	3,985	13,206	7,238	11,223	1	11,223
SU	USARSO	5,764	90,687	49,697	55,461	1	55,461
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	0	0	0	0	0	0
NG	ARNG	16,887	23,295	12,763	29,650	4	7,413
AR	USAR	0	0	0	0	0	0
TA	TOTAL ARMY	115,546	807,504	442,501	558,047	14	39,861

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparable (REPS) and net reparable (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

### AN/TTC-46



AN/TTC-46 FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	115,546	807,504	442,501	558,047	14	39,861

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

AN/TTC-46							
FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	0	0	0	0	0	0
02	PROCESSING (ADPE)	0	809	443	443	14	32
03	COMMUNICATIONS	66,440	739,836	405,417	471,857	14	33,704
04	PERIPHERALS	1,438	34,291	18,791	20,229	14	1,445
05	ENVIRON SUPPORT	32,304	9,196	5,041	37,345	14	2,668
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	15,364	23,372	12,809	28,173	14	2,012
	TOTAL	115,546	807,504	442,501	558,047	14	39,861

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TTC-46						
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS						
WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	SENSORS					0
02	PROCESSING (ADPE)					443
03	COMMUNICATIONS					471,857
04	PERIPHERALS					20,229
05	ENVIRON SUPPORT					37,345
06	APPLICATIONS					0
07	SYSTEM SOFTWARE					0
08	INT, ASSY, TEST, C/O					0
09	OTHER					28,173
	TOTAL					558,047
	NUM OF SYSTEMS					14
	AVG PER SYSTEM					39,861

**AN/TTC-46**  
**TOP 40 COST DRIVERS**  
**CLASS IX CONSUMABLES (NON-DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	5995012972982	CABLE ASSEMBLY,SPEC	03J	F		G21RW	1,166.00	16.52
2.	6130011216546	POWER SUPPLY	05A	H		G21RQ	7,035.00	1.24
3.	5805011202920	MASTER TIMING GENE	03J	F		G21RQ	1,074.00	5.55
4.	4130010369101	COMPRESSOR UNIT,REF	05B	Z		J2200	2,041.40	1.54
5.	5920013495531	ARRESTER,ELECTRICAL	03J	Z		Q2200	1,354.00	2.00
6.	4120012520352	CONTROL MODULE ASSY	05B	O		J2100	812.41	3.26
7.	5995010793719	CABLE ASSEMBLY,SPEC	03J	F		G21RQ	402.00	6.56
8.	5935011463413	CONNECTOR,PLUG,ELEC	03J	Z		G22RL	120.00	21.65
9.	6150008306663	WIRING HARNESS	09	Z		K22PJ	25.64	94.45
10.	5825013430776	RECEIVER-TRANSMITTE	03E	Z		Q2200	667.52	3.54
11.	5955011518076	OSCILLATOR,CRYSTAL	03J	Z		Q2200	513.84	4.29
12.	5995011696343	CORD ASSEMBLY,ELECT	03J	Z		Q2200	78.95	27.30
13.	5340009365284	LEVER,MANUAL CONTRO	09	Z		T2200	21.79	91.77
14.	5995013112965	CABLE ASSEMBLY,SPEC	03J	F		G24RW	1,224.00	1.54
15.	6135010342239	BATTERY, NONRECHARG	09	Z		G22T7	43.35	40.91
16.	5998011469150	ELECTRONIC COMPONENT	03J	Z		Q2200	575.45	3.06
17.	6105001849059	MOTOR,ALTERNATING C	05A	Z		J2200	1,022.83	1.60
18.	5995012670720	CABLE ASSEMBLY,SPEC	03J	F		G21RW	1,557.00	1.00
19.	2540013257719	COVER,FITTED,VEHICU	05C	O		K21PH	135.00	11.22
20.	4140011598642	FAN,TUBEAXIAL	05B	Z		E2200	462.26	3.23
21.	7025013536827	KEYBOARD,DATA ENTRY	04F	Z		G22RW	1,073.00	1.34
22.	2590011317527	CAP,FILLER OPENING	05C	Z		J2200	40.86	31.12
23.	5995013616683	CABLE ASSEMBLY,SPEC	03J	F		G24RW	455.00	2.25
24.	6140000572553	BATTERY STORAGE	09	F		K21PU	47.22	21.67
25.	2590004538977	CHAIN,PIN RETAINING	05C	Z		J2200	73.31	13.06
26.	5995012972983	CABLE ASSEMBLY,SPEC	03J	F		G21RW	314.00	3.00
27.	6140001110512	BATTERY,STORAGE	09	Z		Q2200	70.66	12.97
28.	5965011283944	HANDSET	03A	Z		Q2200	69.07	13.26
29.	6240001558717	LAMP,INCANDESCENT	09	Z		J2200	12.71	67.61
30.	5985013079462	BAG	03J	Z		Q2200	667.52	1.28
31.	5995012876473	CABLE ASSEMBLY,SPEC	03J	F		G21RW	814.00	1.04
32.	2590011799080	STABILIZER KIT,REAR	05C	Z		J2200	50.08	16.44
33.	5935010538909	CONNECTOR RECEPTAC	03J	Z		U22TS	15.47	52.03
34.	5935005008817	CONNECTOR,PLUG,ELEC	03J	Z		Q2200	18.43	42.72
35.	5340013482989	CATCH,CLAMPING	09	O		K21PH	178.00	4.26
36.	5985012549562	WINDER STAY ASSY	03J	Z		G22RW	114.00	6.38
37.	5995012631065	CABLE ASSEMBLY,SPEC	03J	F		G21RW	353.00	2.00
38.	4030010446040	SHACKLE	09	Z		J2200	7.63	87.19
39.	5998012536174	CIRCUIT CARD ASSEMB	03J	Z	E	G22RW	283.00	2.00
40.	2530011389385	AXLE,VEHICULAR,NOND	05C	Z		J22PH	487.00	1.14

NUMBER OF SYSTEMS	14
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING



**AN/TTC-46**  
**CONSUMABLES (NON-DLRs)**

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST
19,262	1,375.86	118.0000		
8,724	623.14	8.8571		
5,961	425.79	39.6429		
3,144	224.57	11.0000		
2,708	193.43	14.2857		
2,648	189.14	23.2857		
2,638	188.43	46.8571		
2,598	185.57	154.6429		
2,420	172.86	674.6429		
2,362	168.71	25.2857		
2,205	157.50	30.6429		
2,155	153.93	195.0000		
1,999	142.79	655.5000		
1,885	134.64	11.0000		
1,774	126.71	292.2143		
1,761	125.79	21.8571		
1,637	116.93	11.4286		
1,557	111.21	7.1429		
1,515	108.21	80.1429		
1,493	106.64	23.0714		
1,438	102.71	9.5714		
1,272	90.86	222.2857		
1,024	73.14	16.0714		
1,023	73.07	154.7857		
958	68.43	93.2857		
942	67.29	21.4286		
916	65.43	92.6429		
916	65.43	94.7143		
860	61.43	482.9286		
855	61.07	9.1429		
846	60.43	7.4286		
823	58.79	117.4286		
805	57.50	371.6429		
788	56.29	305.1429		
759	54.21	30.4286		
729	52.07	45.5714		
706	50.43	14.2857		
666	47.57	622.7857		
566	40.43	14.2857		
555	39.64	8.1429		

87,893	76.1%	TOP 40
27,653	23.9%	OTHERS
=====		
115,546		

**AN/TTC-46**  
**TOP 40 COST DRIVERS**  
**CLASS IX REPARABLES (DLRs)**

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
							W/O CREDIT	W/CREDIT	
1.	5998013100363	CIRCUIT CARD ASSEM	03J	D	D	G24RQ	50,213.00	27,516.72	2.00
2.	5998013180658	CIRCUIT CARD ASSEM	03J	D		G24RQ	36,851.00	20,194.35	2.00
3.	5998013519098	CIRCUIT CARD ASSEM	03J	D	D	G24RW	35,911.00	19,679.23	2.00
4.	5998013100364	CIRCUIT CARD ASSEM	03J	D		G21RQ	22,790.00	12,488.92	2.00
5.	5805011202929	POWER PROCESSOR	03J	H	E	G21RQ	4,858.00	2,662.18	7.51
6.	5998013270255	CIRCUIT CARD ASSEM	03J	D	E	G24RW	6,214.00	3,405.27	5.57
7.	7025013396393	PRINTER,AUTOMATIC	04B	D	C	G21RW	3,921.00	2,148.71	7.58
8.	5998013257041	CIRCUIT CARD ASSEM	03J	D	E	G24RW	7,542.00	4,133.02	3.61
9.	5998012569516	CIRCUIT CARD ASSEM	03J	D		G21RW	13,114.00	7,186.47	2.00
10.	6130012529724	CHARGER,BATTERY	09	D	E	G21RW	8,259.00	4,525.93	2.83
11.	5999012183901	OSCILLATOR,FREQUE	03J	D	C	G21RQ	6,946.00	3,806.41	3.32
12.	5999012569514	CIRCUIT CARD ASSEM	03J	D	R	G21RW	10,961.00	6,006.63	2.00
13.	5999012569512	CIRCUIT CARD ASSEM	03J	D		G21RW	10,022.00	5,492.06	2.00
14.	5835012030450	CARTRIDGE,MAGNETI	03J	H	C	G21RJ	401.00	219.75	45.41
15.	5805011301499	CONVERTER,DIRECT-I	03J	D		G21RQ	2,399.00	1,314.65	7.43
16.	5998012290693	CIRCUIT CARD ASSEM	03J	D	D	G21RQ	1,364.00	747.47	11.13
17.	5998013145449	CIRCUIT CARD ASSEM	03J	D	E	G21RQ	1,240.00	679.52	10.60
18.	5998013138905	CIRCUIT CARD ASSEM	03J	D	D	G24RQ	8,829.00	4,838.29	1.34
19.	5998013257045	CIRCUIT CARD ASSEM	03J	D	E	G24RW	7,381.00	4,044.79	1.58
20.	5999013180662	CIRCUIT CARD ASSEM	03J	D	R	G21RW	10,961.00	6,006.63	1.00
21.	5998013138908	CIRCUIT CARD ASSEM	03J	D	E	G24RQ	8,638.00	4,733.62	1.00
22.	5998013631870	CIRCUIT CARD ASSEM	03J	D	R	G21RW	8,559.00	4,690.33	1.00
23.	5998013138907	CIRCUIT CARD ASSEM	03J	D	R	G24RW	4,028.00	2,207.34	2.00
24.	6130011202982	POWER SUPPLY	05A	D	R	G21RQ	3,162.00	1,732.78	2.38
25.	5998011401318	CIRCUIT CARD ASSEM	03J	L	E	G21RY	779.00	426.89	8.50
26.	5998012290690	CIRCUIT CARD ASSEM	03J	D	C	G21RQ	1,043.00	571.56	6.16
27.	5999012040387	CIRCUIT CARD ASSEM	03J	D	D	G21RQ	1,369.00	750.21	4.50
28.	5998013380574	CIRCUIT CARD ASSEM	03J	D		G21RW	1,592.00	872.42	3.82
29.	5998012569498	CIRCUIT CARD ASSEM	03J	D	R	G21RW	2,720.00	1,490.56	2.00
30.	5999013180659	CIRCUIT CARD ASSEM	03J	D	D	G21RW	5,291.00	2,899.47	1.00
31.	5998013554091	CIRCUIT CARD ASSEM	03J	D	E	G21RW	3,607.00	1,976.64	1.35
32.	5998013692074	CIRCUIT CARD ASSEM	03J	D		G21RW	1,986.00	1,088.33	2.10
33.	5998011203212	CIRCUIT CARD ASSEM	03J	D	E	G21RQ	939.00	514.57	4.14
34.	5998011203221	CIRCUIT CARD ASSEM	03J	D		G21RQ	893.00	489.36	4.00
35.	5998013257037	CIRCUIT CARD ASSEM	03J	D	E	G24RW	1,102.00	603.90	3.18
36.	5998013145450	CIRCUIT CARD ASSEM	03J	D		G21RW	1,147.00	628.56	3.00
37.	5998011203079	CIRCUIT CARD ASSEM	03J	D		G21RQ	1,096.00	600.61	2.90
38.	5998011203198	CIRCUIT CARD ASSEM	03J	D		G21RQ	481.00	263.59	6.50
39.	5998012569501	CIRCUIT CARD ASSEM	03J	D	D	G21RW	1,526.00	836.25	2.00
40.	5998011401312	CIRCUIT CARD ASSEM	03J	L	E	G21RY	2,270.00	1,243.96	1.33

NUMBER OF SYSTEMS	14
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NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

**AN/TTC-46  
REPARABLES (DLRs)**

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT)	AVERAGE QUANTITY	FY 90-94 FIVE YEAR AVERAGE	
	PER SYSTEM	PER 100 SYSTEMS	QTY	EXTENDED COST (W/CREDIT)
55,033	3,930.93	14.2857		
40,389	2,884.93	14.2857		
39,358	2,811.29	14.2857		
24,978	1,784.14	14.2857		
19,992	1,428.00	53.6429		
18,967	1,354.79	39.7857		
16,287	1,163.36	54.1429		
14,920	1,065.71	25.7857		
14,373	1,026.64	14.2857		
12,809	914.93	20.2143		
12,637	902.64	23.7143		
12,013	858.07	14.2857		
10,984	784.57	14.2857		
9,978	712.71	324.3571		
9,767	697.64	53.0714		
8,319	594.21	79.5000		
7,203	514.50	75.7143		
6,483	463.07	9.5714		
6,391	456.50	11.2857		
6,007	429.07	7.1429		
4,734	338.14	7.1429		
4,690	335.00	7.1429		
4,415	315.36	14.2857		
4,125	294.64	17.0000		
3,629	259.21	60.7143		
3,521	251.50	44.0000		
3,376	241.14	32.1429		
3,333	238.07	27.2857		
2,981	212.93	14.2857		
2,899	207.07	7.1429		
2,668	190.57	9.6429		
2,285	163.21	15.0000		
2,130	152.14	29.5714		
1,957	139.79	28.5714		
1,920	137.14	22.7143		
1,886	134.71	21.4286		
1,742	124.43	20.7143		
1,713	122.36	46.4286		
1,673	119.50	14.2857		
1,655	118.21	9.5000		

404,220	91.3%	COST DRIVERS
38,281	8.7%	OTHERS
=====		
442,501		

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

AN/TTC-46							
FY 94 DEPOT MAINTENANCE COSTS							
COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	64,729	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	11,251	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	0	98,069	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	1,876	0
TOTAL	0	0	0	0	0	175,925	0
QTY COMPLETED	0	0	0	0	0	158	0
AVG COST	0	0	0	0	0	1,113	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

AN/TTC-46					
FY 94 INTERMEDIATE MAINTENANCE COSTS					
MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	381	6,328	473	21,880	46.26
USAREUR	0	0			
EUSA	36	598			
USARPAC	0	0			
USARSO	51	847			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	57	947			
USAR	0	0			
TOTAL ARMY	525	8,720	473	21,880	46.26

\*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TTC-46 FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					64,729
MILITARY LABOR					0					0
MATERIEL					0					11,251
TRANSPORTATION					0					
OVERHEAD					0					98,069
CONTRACT					0					0
OTHER					0					1,876
TOTAL					0					175,925
QTY COMPLETED					0					158
AVG COST					0					1,113

The table below summarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TTC-46 FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					6,328					21,880
USAREUR					0					
EUSA					598					
USARPAC					0					
USARSO					847					
USASOC					0					
TRADOC					0					0
ARNG					947					
USAR					0					
TOTAL ARMY					8,720					21,880
LABOR HRS					525					473
COST PER HR					16.61					46.26

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/TTC-46 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5805-01-120-2929	POWER PROCESSOR	4,858	115,262	27	4,269
5835-01-125-5767	TRANSPORT,MAGNET	23,983	22,789	3	7,596
5835-01-098-3628	CARTRIDGE,MAGNET	401	19,505	100	195
5995-01-121-6623	CABLE ASSEMBLY S	1,298	17,084	25	683
5998-01-120-3212	CIRCUIT CARD ASS	939	1,285	3	428

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/TTC-46 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/TTC-46 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
5805-01-120-2929	POWER PROCESSOR	4,858	115,262	27	4,269
5835-01-125-5767	TRANSPORT,MAGNET	23,983	22,789	3	7,596
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5995-01-121-6623	CABLE ASSEMBLY S	1,298	17,084	25	683
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The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/TTC-46 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

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